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the 18th and 19th centuries and the subsequent introduction of public health programs that were developed in attempting to control or solve, these challenges. The impact of the social and economic factors that played such important roles in the initiation and eventual outcomes of these diseases is emphasized throughout the text. Such information is often not included in books in this nature, but it is essential for understanding the total concept of infectious disease processes. The early and often futile attempts of humans to combat infections, such as control by vaccine immunization and treatment with immune sera are presented and contrasted in later chapters with recent successful advances that have been made with antibiotics and chemotherapy. Selected infections and their treatment that are presented in detail as models for study are the streptococcal, pneumococcal, venereal and tubercular diseases. The serious consequences of an individual's developing a hypersensitive state as a result of contact with microbial antigens is made clear, but the author is quick to explain that such a state may be a helpful diagnostic tool, also. I further commend Dowling for including an extensive note section that the reader can use for helpful additional information

concerning technical material cited. I strongly recommend the book as reading for biology teachers or students who want to increase their knowledge of infectious diseases and human efforts control them.

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MEDICAL HEROES AND HERETICS
by Wayne Martin. 1977. The Devin-Adair Company (Old Greenwich, Connecticut 06870). 242 p. \$10.

Wayne Martin, though earning his livelihood as an engineer, presents this work reflecting his early interest in biochemistry and the medical sciences. His thesis, that new discoveries in medicine are almost always fought by the medical establishment, is documented with the stories of Pasteur, Bunting, Semmelweis, Eijkman, and other pioneers. The establishment ridicule and persecution continues against today's medical heretics, such as Evan Shute, Jonas Salk, Otto Warburg, Ernest Krebs, Jr., and William Colby. The author paints the picture of these and other medical heroes and heretics dramatically.

This is a fascinating book, which shows that today's heroes were the heretics of

yesteryear and that "today's heretics are tomorrow's heroes." For the high school teacher the book provides much food for thought. It presents information for the bright high school student's reports on the history of medicine. It contributes to the questions of the layperson concerned with cancer, vascular disease, heart attacks, and nutrition.

The ideas of the author are thought provoking and controversial adding to the book's interest. The reader will find evidence from medical journals that are not well known, and this evidence is used to present the idea that "cancer and vascular disease can be abolished." The reader may not agree with the ideas of Wayne Martin, but the logic becomes evident. Certainly the suggestions for avoiding death from both cancer and heart attack will be of great interest.

Wayne Martin has the flair for building, block by block, this unusual story of the lives of our past and present medical heretics. He uses the findings of these people to relate directly to the reader's life. Whether you agree with the author or not, this book is worth reading and is certainly highly recommended.

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